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STATEMENT UNDER 37 CFR 3.73(b)Alexander Steinbüchel,Applicant/Patent Owner: Mathias Liebergessel, Henry Valentin, and Andreas PriesApplication No./Patent No.: 09/779,427 Filed/Issue Date: February 8, 2001Entitled: Methods Of Producing Poly(Hydroxy) Fatty Acids In BacteriaMetabolix, Inc.

a corporation of the State of Delaware

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

In the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From BUCK-Werke GmbH & Co. as proprietor of German priority application no. 44 33 134.7 to Monsanto Company, a copy of which is attached.

2. From Dr. Andreas Pries as co-inventor and proprietor of foreign filing right of German priority application no. 44 33 134.7 to Monsanto Company, a copy of which is attached.

3. From: Monsanto Company To: Metabolix, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

DECEMBER 3 2002
Date

OLIVER P. PEOPLES

Typed or printed name

Oliver P. Peoples

Signature

VPR & D

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MOBT 182 DIV (2) - 077832/00148

(File:UEB18U29255.doc, 27.12.1995
Agreement BUCK/MONSANTO
P4433134.7//PCT/DE95/01279)



Assignment Agreement
between BUCK and MONSANTO

5

Preamble

10 BUCK-Werke GmbH & Co., Geislinger Str. 21, D-73337 Bad
Überkingen (hereinafter BUCK) are the proprietors of the
German patent application No. P 44 33 134.7 having the
title "Verfahren zur Herstellung von Polyhydroxyfettsäuren
sowie rekombinanter Bakterienstämme zur Durchführung des
15 Verfahrens" (Method for producing polyhydroxyfatty acids as
well as recombinant bacterial strains for executing the
method) (hereinafter DE-BUCK), filed with the German Patent
Office on September 16, 1994. BUCK is further in possession
of the right to claim priority based upon the DE-BUCK.

20 BUCK have assigned their right to file foreign applications
to an employed inventor, namely Dr. Andreas Pries, with
their declaration of release dated June 6, 1995.

25 BUCK wishes to assign their rights in the above application
to the MONSANTO COMPANY, 800 North Lindberg Boulevard, St.
Louis, Missouri 63167, U.S.A. (hereinafter MONSANTO).

MONSANTO wishes to acquire the rights in DE-BUCK from BUCK.

30 1. Assignment of DE-BUCK

1. BUCK herewith assigns DE-BUCK to MONSANTO which
herewith accepts the assignment.

35 2. BUCK will make all declarations necessary for the
transfer of DE-BUCK to MONSANTO.

File:UEBIBU29255.doc, 27.12.1995
Agreement BUCK/MONSANTO
P4433134.7//PCT/DE95/01279



3. BUCK herewith surrenders any right to use the subject matter of DE-BUCK inside as well as outside the country. In particular, BUCK will not claim any right of prior use vis-à-vis MONSANTO within the meaning of Section 12 (1) German Patent Act (PatG).

The official and attorney's fees of the assignment shall be borne by MONSANTO.

2. Assignment of the Priority Right Arising from DE-BUCK

BUCK herewith undertakes to assign the invention and the priority right from the DE-BUCK to MONSANTO. This assignment will be regulated in a separate declaration of transfer to claim the right of priority (Annex A).

3. Declaration of Release for deposited Microorganisms

BUCK deposited the following microorganisms in the course of DE-BUCK

Pseudomonas putida SK 6691
Alcaligenes eutrophus SK6891

at the DSM in Braunschweig on Sept. 5, 1994 in accordance with the Budapest Treaty on the Acknowledgement of Deposit of Microorganisms for Patent Procedures in order to fulfil the requirements of patent law made to the enabling of the invention on which DE-BUCK is based.

The Accession numbers which are mentioned in DE-BUCK are:

DSM 9417: Pseudomonas putida SK 6691
DSM 9418: Alcaligenes eutrophus SK6891.

File:UEB\BU29255.doc, 27.12.1995
Agreement BUCK/MONSANTO
P4433134.7//PCT/DE95/01279



BUCK will make a declaration (Annex B) vis-à-vis DSM to the effect that MONSANTO, on the commencement of this agreement, is allowed unrestricted and irrevocable access -
5 and explicitly also prior to publication of the DE-BUCK - to the above-identified deposited microorganisms whereby MONSANTO obtains possession of samples of the deposited microorganisms.

10 BUCK will make this declaration exclusively in favour of MONSANTO and not in favour of third parties.

BUCK undertakes upon request by MONSANTO to give a declaration vis-à-vis the depositary institution DSM that
15 the deposits of the above designated microorganisms will be assigned to MONSANTO, and that accordingly, MONSANTO will replace BUCK's position as depositor. MONSANTO will accept this declaration.

20 3.1 Regarding the Present Situation of Foreign Applications

Both parties agree that presently the legal situation with respect to foreign applications claiming the priority of an earlier application for the purposes of which
25 microorganisms have been deposited, and wherein a first applicant - here BUCK - and a subsequent applicant - here MONSANTO - are not one and the same legal person, at least concerning applications according to the EPC, results in significant legal uncertainty. These disadvantages may lead
30 to entire loss of rights due to insufficient disclosure, as the European Patent Office presently requests that Depositor and Applicant must be as a matter of principle one and the same legal person.

35 Due to this unfavourable legal situation, both parties agree that foreign applications may be only filed commonly,

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Agreement BUCK/MONSANTO
P4433134.7//PCT/DE95/01279]



i.e. filed by both, BUCK and MONSANTO, in order to avoid legal uncertainty for MONSANTO.

5 Furthermore, both parties agree that BUCK herewith just act
as a formal applicant. That means BUCK has neither rights
nor obligations with regard to these applications -although
BUCK is listed as a co-applicant of foreign applications,
or PCT-applications, respectively. Additionally, BUCK will
also not bear any costs occurring with respect to these
10 foreign applications.

BUCK undertakes to give optionally required signatures
being in context with these foreign applications.

15 Moreover, both parties agree that MONSANTO is the sole
legal person being authorized to dispose these foreign
applications, i.e. there will be no need for rediscussion
with BUCK for all decisions in context with these foreign
applications.

20 Precautionarily, BUCK gives the following declaration
concerning the redraft of Rule 28 EPC to be expected:

BUCK, in their capacity as Depositor of the deposited
25 biological material of item 3 of the present agreement,
herewith authorizes MONSANTO to make reference to the
deposited biological material in their foreign
applications, and gives without reservation and irrevocably
their consent that the biological material deposited by
30 BUCK, will be made accessible to the public in accordance
with Rule 28 EPC.

Anytime, MONSANTO is entitled to request an assignment of
MONSANTO/BUCK applications to MONSANTO. BUCK will agree to
35 this assignment.

[File:UEB\BU29255.doc, 27.12.1995
Agreement BUCK/MONSANTO
P4433134.7/PCT/DE95/01279]



4. Financial Obligation of MONSANTO

MONSANTO undertakes to transfer the non-recurring net amount of US\$20,000 (twenty thousand US Dollars) [hereinafter transfer amount] within ten days after signing of this Agreement by the last party to the agreement without deductions to the following account of BUCK:

Bank: Bayerische Vereinsbank Bad Reichenhall
10 Bank Code No.: 710 200 72
Account No.: 320 84 00

MONSANTO bears all bank fees necessary for this transfer.

15 MONSANTO furthermore undertakes to take over all costs for negotiating this Agreement by patent attorney Dr. Jürgen Kaiser, KUHNEN, WACKER & PARTNERS (hereinafter KWP), Alois-Steinecker-Str. 22, 85354 Freising, Germany. In this respect, KWP will separately invoice MONSANTO.

20

5. Entering into Effect

Both parties agree that this Assignment Agreement enters into effect only with the crediting of the above-specified account of BUCK with the full transfer amount, even in case if already foreign applications have been filed for preserving the priority term.

25

6. Applicable Law and Place of Venue

30

German law shall be applied to this Agreement. For all disputes arising from this Agreement, the Landgericht München I (District Court Munich I) shall have jurisdiction.

35

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Agreement BUCK/MONSANTO
PJ433134.7//PCT/DE95/01279



7. Salvatorian Clause

Should any provision of this agreement be invalid or unenforceable or should the contract contain an omission, the remaining provisions shall be valid. In the place of an invalid provision, a valid provision is presumed to be agreed upon by the parties, which comes economically closest to the one actually agreed upon; the same shall apply in the case of an omission.

8. Language of the Agreement

This Agreement has been made in the German and English languages. Both versions are equally binding. In cases of doubt, however, the German version shall be relevant.

On behalf of BUCK

On behalf of MONSANTO

Name Hartmut H. Buck Hans J. Wirtz

Name Hendrik A. Verfaillie
Executive Vice President

Signature

Signature

Place Bad Überkingen

Place

St. Louis, Missouri

Date 16.12.1995

Date February 28, 1996

20 Annexes A and B

22.12.'95 12:23

ID:Kühnen, Wacker u.Partner¹

FAX:+49-8161 930103 SEITE 5

(File:BRS/BU293.doc) 14.09.1995
Prioritätsrechtsübertragungserklärung



Anlage A:

Prioritätsrechtsübertragungserklärung

Hiermit übertragen die BUCK-Werke GmbH & Co. Geislinger Str. 21, D-73337 Bad Überkingen ihr Prioritätsrecht aus der deutschen Patentanmeldung P 44 33 134.7 mit dem Titel "Verfahren zur Herstellung von Polyhydroxyfettsäuren sowie rekombinante Bakterienstämme zur Durchführung des Verfahrens", beim Deutschen Patentamt eingereicht am 16. September 1994 auf die MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, USA.

Declaration of the assignment to claim the right of priority

The BUCK-Werke GmbH & Co., Geislinger Str. 21, D-73337 Bad Überkingen are transferring herewith their right of priority from the German patent application P 44 33 134.7 having the title " Verfahren zur Herstellung von Polyhydroxyfettsäuren sowie rekombinante Bakterienstämme zur Durchführung des Verfahrens", which was filed with the German Patent Office on September 16, 1994 to the MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, USA.

Für die BUCK-Werke:

Bad Überkingen, 14.09.1995

Name: Hartmut H. Buck

Hans J. Wirtz

Unterschrift:

22.12.'95 12:22

ID:Kuhnen, Wacker u.Partner

FAX:+49-8161-930103

SEITE 4

[File:BR8BU293.doc] 14.09.1995
Prioritätsübertragungserklärung



Anlage B:

Hiermit erklären die BUCK-Werke, Geislinger Str. 21, D-73337 Bad Überkingen gegenüber der DSM, Braunschweig, daß mit in Kraft treten des Übertragungsvertrages zwischen BUCK und MONSANTO, die MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, USA uneingeschränkt Zugriff auf die von BUCK hinterlegten Stämme unter den DSM-Zugriffsnummern 9417 und 9418 zu gewähren ist.

Darüberhinaus tritt nunmehr MONSANTO an die Stelle von BUCK bezüglich der hinterlegten Stämme DSM 9417 und DSM 9418.

BUCK-Werke, Geislinger Str. 21, D-73337 Bad Überkingen declares herewith before DSM, Braunschweig that - as soon as the assignment contract between BUCK and MONSANTO is effective - MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63167 has unrestricted access to the strains deposited by BUCK under the accession numbers 9417 and 9418.

Furthermore, MONSANTO takes over BUCK's position concerning the deposited strains DSM 9417 and DSM 9418.

Für BUCK:

Bad Überkingen, 14.09.1995

Name: Hartmut H. Buck

Hans J. Wirtz

Unterschrift:

(File:UEB\PR43011.doc, Translation of Assignment Agreement 04.09.1995
P4433134.7, Mikrobielle Biopolymere
Dr. Pries, Andreas, Bad Reichenhall / MONSANTO



ORIGINAL

Assignment Agreement

between Dr. Andreas PRIES and MONSANTO

5

Preamble

Dr. Andreas Pries, Nonnerstr. 4, 83435 Bad Reichenhall, Germany (hereinafter PRIES) is stated as co-inventor in the German patent application No. P 44 33 134.7 having the title "Verfahren zur Herstellung von Polyhydroxyfettsäuren sowie rekombinanter Bakterienstämme zur Durchführung des Verfahrens" (Method for producing polyhydroxyfatty acids as well as recombinant bacterial strains for carrying out the method) (hereinafter DE-BUCK), filed with the German Patent Office on September 16, 1994. The proprietor of DE-BUCK is the BUCK-Werke GmbH & Co., Geislingerstr. 21, D-73337, Germany (hereinafter BUCK), of which PRIES is an employee. BUCK assigned the rights (hereinafter FOREIGN RIGHTS) for filing foreign applications, which claim the priority of DE-BUCK, to PRIES with the Declaration of Release dated June 6, 1995. PRIES accepted this assignment with declaration dated June 14, 1995.

PRIES wishes to assign his FOREIGN RIGHTS to the MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, U.S.A. (hereinafter MONSANTO).

MONSANTO wishes to acquire the FOREIGN RIGHTS from PRIES.

30

1. Assignment of the FOREIGN RIGHTS

PRIES herewith assigns the FOREIGN RIGHTS in the DE-BUCK to MONSANTO which herewith accepts the assignment.

35

[File:UEBPR43011.doc, Translation of Assignment Agreement 04.09.1995
P4433134.7, Mikrobielle Biopolymere
Dr. Pries, Andreas, Bad Reichenhall / MONSANTO]



MONSANTO will thus be entitled to file foreign applications in countries of its choice in its own name. In particular, MONSANTO will be entitled to file an application pursuant to the Patent Cooperation Treaty (PCT).

5 PRIES surrenders any rights to use the subject matter applied for in countries in which MONSANTO filed applications or in countries which were designated in a possible PCT application. This shall also apply mutatis
10 mutandis to regional patent areas such as, for example, the countries united in the European Patent Convention (EPC).

Both parties agree that such foreign applications may at present only be filed as joint applications by MONSANTO and
15 BUCK for reasons of legal certainty for MONSANTO, however, without any rights or obligations for BUCK.

All parties involved agreed upon filing a PCT-application with the German Patent Office, official file number
20 PCT/DE95/01279 (Annex I), on 15.09.1995 in order to meet the priority term.

The costs of such foreign applications shall be borne by MONSANTO.

25 2. Re-assignment of the Priority Right Arising from DE-BUCK

PRIES affirms that he re-assigned the priority right from the DE-BUCK to BUCK. BUCK will make a declaration of
30 assignment of the priority right in a separate agreement in favour of MONSANTO.

3. Necessary Signatures and Cooperation

35 PRIES undertakes to give the necessary signatures for all foreign applications, e.g. for the United States of

File:UEB\PR43011.doc, Translation of Assignment Agreement 04.09.1995
P4433134.7, Mikrobielle Biopolymere
Dr. Pries, Address, Bad Reichenhall / MONSANTO



America. PRIES further arranged that the co-inventors also undertake to give the necessary signatures (Annex II).

- 5 PRIES further undertakes, in the case of technical questions as might arise in the course of the individual national granting procedures and/or in the course of the international preliminary examination or in any other procedure related to the subject matter of this foreign application, to make his knowledge concerning his invention
10 available to MONSANTO and/or representatives thereof to the best of his knowledge for the purpose of these procedures.

4. Financial Obligation of MONSANTO

- 15 MONSANTO undertakes to transfer the non-recurring net amount of US\$60,000 (sixty thousand US Dollars) [hereinafter transfer amount] within ten days after signing of this Agreement by the last party to the agreement without deductions to the following account of PRIES:

20 Bank: Sparkasse Berchtesgadener Land
Bank Code No.: 71050000
Account No.: 5088943

- 25 MONSANTO shall bear all bank fees necessary for this transfer.

- 30 MONSANTO furthermore undertakes to take over all costs for negotiating this Agreement by patent attorney Dr. Jürgen Kaiser, KUHNNEN, WACKER & PARTNERS (hereinafter KWP), Alois-Steinecker-Str. 22, 85354 Freising, Germany. In this respect, KWP will separately invoice MONSANTO.

- 35 MONSANTO furthermore undertakes to observe secrecy vis-à-vis third parties in respect of the transfer amount.

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P4433134.7, Mikroblette Biopolymere
Dr. Pries, Andreas, Bad Reichenhall / MONSANTO



5. Entering into Effect

Both parties agree that this Assignment Agreement enters into effect only with the crediting of the above-specified
5 account of PRIES with the full transfer amount.

6. Applicable Law and Place of Venue

German law shall be applied to this Agreement. For all
10 disputes arising from this Agreement, the Landgericht München I (District Court Munich I) shall have jurisdiction.

7. Salvatorian Clause

15 Should any provision of this agreement be invalid or unenforceable or should the contract contain an omission, the remaining provisions shall be valid. In the place of an invalid provision, a valid provision is presumed to be
20 agreed upon by the parties, which comes economically closest to the one actually agreed upon; the same shall apply in the case of an omission.

8. Language of the Agreement

25 This Agreement has been made in the German and English languages. Both versions are equally binding. In cases of doubt, however, the German version shall be relevant.

30

On behalf of MONSANTO

Dr. Andreas Pries

Name Hendrik A. Verfaillie
Executive Vice President

35 Signature

Signature

[File:UEB\PR43011.doc, Translation of Assignment Agreement 04.09.1995
P4433134.7, Mikrobielle Biopolymere
Dr. Pries, Andreas, Bad Reichenhall / MONSANTO



Place	<i>Bad Reichenhall</i>	Place	St. Louis, Missouri
Date	<i>29.12.1995</i>	Date	February 28, 1996

5

Annexes I and II

19-DEZ-1995 18:08

BUCK WERKE GMBH & CO

+49 8651 70370 S.02

[FAC:BRANKA/PRA3012.doc] 19.12.95
Mikrochelat Biopolymer
PCT/DE95/01279



Anlage II
Anhang II

ERKLÄRUNG

Ich, Prof. Dr. Alexander Steinbüchel, erkläre hiermit, daß ich sämtliche für Auslandsanmeldungen erforderliche Unterschriften, welche auf der PCT-Anmeldung PCT/DE95/01279 basieren, leisten werde.

Mit dieser Unterschrift entstehen für mich keinerlei Verpflichtungen, und ich werde keinerlei Ansprüche gegen den oder die Anmelder geltend machen.

Diese Erklärung ist in deutsch und englisch abgefaßt. Beide Fassungen sind gleichermaßen verbindlich.

DECLARATION

I, Prof. Dr. Alexander Steinbüchel, declare herewith that I will give all necessary signatures for foreign applications, which are based on the PCT-application PCT/DE95/01279.

There will not result any obligations for me from my signature, and I will not assert any claims against the applicant.

The present Declaration has been drafted in German and English. Both versions are equally binding.

Münster, den 19.12.1995

Prof. Dr. Alexander Steinbüchel

19-DEZ-1995 18:11

BUCK WERKE GMBH & CO

+49 8651 70370 S.02

(File: BRAKAPR43012.doc) 10.12.95
Mikrobielle Biopolymere
PCT/DE95/01279



Anlage II
Annex II

ERKLÄRUNG

Ich, Dr. Matthias Liebergese-
sell, erkläre hiermit, daß
ich sämtliche für Auslandsan-
meldungen erforderliche Un-
terschriften, welche auf der
PCT-Anmeldung PCT/DE95/01279
basieren, leisten werde.

Mit dieser Unterschrift ent-
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den oder die Anmelder geltend
machen.


Diese Erklärung ist in
deutsch und englisch abge-
faßt. Beide Fassungen sind
gleichermaßen verbindlich.

DECLARATION

I, Dr. Matthias Liebergese-
sell, declare herewith that I will
give all necessary signatures
for foreign applications,
which are based on the PCT
application PCT/DE95/01279.

There will not result any
obligations for me from my
signature, and I will not
assert any claims against the
applicant.

The present Declaration has
been drafted in German and
English. Both versions are
equally binding.

München, den 20.12.95

Dr. Matthias Liebergese

19-DEC-1995 18:17

BUCK NEFF & SIEBEN . 00

J9 8851 70370 8.02 02

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Adhäsions-Biopolymere
PCT/DE95/01279



Au/0) II
Au/IX II

ERKLÄRUNG

Ich, Dr. Henry Valentin, erkläre hiermit, daß ich sämtliche für Auslandsanmeldungen erforderliche Unterschriften, welche auf der PCT-Anmeldung PCT/DE95/01279 basieren, leisten werde.

Mit dieser Unterschrift entstehen für mich keinerlei Verpflichtungen, und ich werde keinerlei Ansprüche gegen den oder die Anmelder geltend machen.

Diese Erklärung ist in deutsch und englisch abgefaßt. Beide Fassungen sind gleichermaßen verbindlich.

DECLARATION

I, Dr. Henry Valentin, declare herewith that I will give all necessary signatures for foreign applications, which are based on the PCT application PCT/DE95/01279.

There will not result any obligations for me from my signature, and I will not assert any claims against the applicant.

The present Declaration has been drafted in German and English. Both versions are equally binding.

Hannover
Göttingen, den 19 Dezember 1995

Henry Valentin
Dr. Henry Valentin

GESAMT SEITE 02

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT ("Assignment") is made and entered into as of this 14th day of May, 2001, by and between Metabolix, Inc., a Delaware corporation, having its principal place of business located at 303 Third Street, Cambridge, Massachusetts 02142 (hereinafter "Assignee"), and Monsanto Company, a Delaware corporation, having its principal place of business located at 800 North Lindbergh Boulevard, St. Louis, Missouri 63167 (hereinafter "Assignor").

WHEREAS, except as otherwise indicated, Assignor owns or has owned the patents and patent applications identified on Schedule A and Schedule B, attached hereto, some of which have lapsed or have been abandoned;

WHEREAS, Assignee acknowledges that some of the patents and patent applications listed on Schedule A and Schedule B have been abandoned or have lapsed; and

WHEREAS, Assignor and Assignee are parties to the Transaction Documents (as defined in a certain Asset Purchase Agreement of even date herewith entered into by the parties hereto) which provides for, among other things, the assignment of the identified patents and patent applications from Assignor to Assignee.

NOW, THEREFORE, in consideration of the mutual covenants and obligations contained herein and in the Transaction Documents, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

Assignor does hereby sell, assign, transfer, and set over unto said Assignee all of its right, title, and interest in and to the inventions described and/or claimed in, and the patents and patent applications relating to polyhydroxyalkanoates ("PHAs") identified on Schedule A and Schedule B, and any reissues or reexaminations thereof, and any continuing, continuation, continuation-in-part, divisional, foreign counterpart, and/or Patent Cooperation Treaty applications which may be hereinafter filed, and in and to any Letters Patent which may be granted and issued, in and for the United States of America and all foreign countries, including all treaty and convention rights, and the right to sue for present, past, and future infringement, enforce any rights and file any causes of action related thereto, either in law or equity, and to all income, royalties, fees, damages, and payments now or hereafter due or payable with respect thereto (hereinafter "Patents"). The identified Patents shall be held and enjoyed by said Assignee, its successors and assigns, to the fullest extent permissible under any applicable laws and ends of the terms for which all Letters Patents therefor may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this Assignment had not been made.

Assignee is hereby authorized to make application for and to receive Letters Patent for said inventions in any countries at its election. And by this covenant the Assignor agrees to execute or procure further necessary assurance of title to said inventions, patents and patent applications, and at any time, upon the reasonable request and at the expense of said Assignee, will execute and deliver any and all papers that may be necessary or desirable to

perfect the title to said inventions, patents and patent applications in Assignee, its successors, assigns or other legal representatives; and upon the reasonable request of said Assignee, will execute any additional applications for patents for said inventions, or any part or parts thereof, and for the reissue of any Letters Patent to be granted therefor; and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of said Assignee, its successors, assigns, or other legal representatives.

Notwithstanding the foregoing, Assignee shall prepare, execute and deliver any and all documents related to the recordation or legalization of any rights granted herein. And, as between the parties hereto, Assignee shall be solely obligated and responsible for any and all expenses associated with such recordation or legalization, including without limitation any preparation, execution and delivery expenses, and shall further be obligated and responsible for any expenses incurred in Assignee's efforts to obtain, establish or perfect ownership of right, title or interest in or to the Patents. Assignee agrees that it shall not record this Assignment in or with the United States Patent and Trademark Office or in or with any patent office foreign to the country of the United States of America. The assignment on Schedule C attached hereto serves as an exemplary form of instrument for recording purposes.

MONSANTO COMPANY
800 North Lindbergh Boulevard
St. Louis, Missouri 63167

Attest:

Michael J. [Signature]

By: Dana L. Wesley

Name: DANA L. WESLEY

Title: DIRECTOR, M & A

STATE OF MISSOURI)
COUNTY OF ST. LOUIS) ss.:

On this 14th day of May, 2001, before me personally came Dana L. Wesley, to me personally known, who being duly sworn did say that he is the Director, M & A of Monsanto Company, that the seal affixed to the foregoing instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its Board of Directors; and said Dana L. Wesley acknowledged said instrument to be the free act and deed of said corporation.

Kathryn A. Sharp
Notary Public

My commission expires _____



Signature page to the Patent Assignment dated May 14, 2001

METABOLIX, INC.
303 Third Street
Cambridge, Massachusetts 02142

Attest:

By: James J. Barber
Name: JAMES J. BARBER
Title: PRESIDENT

STATE OF MASSACHUSETTS)
) ss.:
COUNTY OF MIDDLESEX)

On this 21st day of May, 2001, before me personally came James J. Barber, to me personally known, who being duly sworn did say that he is the President and CEO of Metabolix, Inc., that the seal affixed to the foregoing instrument is the corporate seal of said corporation, and that said instrument was signed and sealed on behalf of said corporation by authority of its Board of Directors; and said James J. Barber acknowledged said instrument to be the free act and deed of said corporation.

MY COMMISSION EXPIRES
JANUARY 24, 2008

Dan T. Scott

Notary Public

My commission expires _____

Signature page to the Patent Assignment dated May 14, 2001

SCHEDULE A to the Patent Assignment

Patents and Patent Applications

1. Title: **METHODS OF PHA EXTRACTION AND RECOVERY USING NON-HALOGENATED SOLVENTS**
Inventor(s): **Kurdikar, et al.**
U.S. Patent No.: **6,043,063**
Issued: **March 28, 2000**
Serial No.: **09/060,121**
Filed: **April 15, 1997**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	4/14/98	US9807484	10/22/98	WO9846782	Filed
EP	4/14/98	US9807484	2/2/00	09757588	Pending

2. Title: **DNA SEQUENCE USEFUL FOR THE PRODUCTION OF POLYHYDROXYALKANOATES**
Inventor(s): **Kruger, et al.**
U.S. Patent No.: **5,750,848**
Issued: **May 12, 1998**
Serial No.: **08/700,576**
Filed: **August 13, 1996**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
US (reissue appln.)	5/12/00	09/570842			Pending
WO	8/13/97	US9714388	2/19/98	WO9806854	Filed
EP	8/13/97	979372737			Pending
JP	8/13/97	51005798	12/19/00	KOHYO200051681	Pending

3. Title: **HIGH TEMPERATURE PHA EXTRACTION USING PHA-POOR SOLVENTS**
Inventor(s): **Kurdikar, et al.**
U.S. Patent No.: **6,087,471**
Issued: **July 11, 2000**
Serial No.: **09/060,120**
Filed: **April 14, 1998**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	4/14/98	US9807658	10/22/98	WO9846783	Filed
EP	4/14/98	989156054	1/26/00	EPO973930	Pending

4. Title: **RHODOSPIRILLUM RUBRUM
POLY- β -HYDROXYALKANOATE SYNTHASE**
 Inventor(s): **Clemente, et al.**
 U.S. Patent No.: **5,849,894**
 Issued: **December 15, 1998**
 Serial No.: **08/756,317**
 Filed: **November 25, 1996**
 Priority: **November 29, 1995**

5. Title: **MACROMOLECULAR DEGRADATION OF NUCLEIC
ACIDS**
 Inventor(s): **Greer**
 U.S. Patent No.: **5,627,276**
 Issued: **May 6, 1997**
 Serial No.: **08/424,458**
 Filed: **October 27, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	10/27/93	GB9302208	5/11/1994	WO9410289	Filed
EP	10/27/93	939236246	9/6/95	0669970	Filed
AU	10/27/93	6280194	1/31/97	676026	Lapsed
BE	10/27/93	939236246	9/6/95	0669970	Issued
BR	10/27/93	PI93073216			Aband.
CA	10/27/93	2146455	5/11/94		Pending
DE	10/27/93	939236246	9/6/95	0669970	Issued
FI	10/27/93	951997			Pending
FR	10/27/93	939236246	9/6/95	0669970	Issued
GB	10/27/93	92225614			Aband.
GB	10/27/93	939236246	9/6/95	0669970	Issued
IT	10/27/93	939236246	9/6/95	0669970	Issued
JP	10/27/93	51081994	3/19/96	OP50241596	Pending
NO	10/27/93	951595			Aband.

6. Title: **POLYESTER COMPOSITION AND OLIGOMERS USEFUL
AS COMPONENTS THEREOF-POLYMER**
 Inventor(s): **Hammond, et al.**
 U.S. Patent No.: **5,550,173**
 Issued: **August 27, 1996**
 Serial No.: **08/432,116**
 Filed: **November 4, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	11/4/93	GB9302279	5/26/94	WO9411445	Filed
EP	11/4/93	939247045	8/30/95	0668893	Aband. AU
	11/4/93	6396294	12/18/97	684499	Lapsed
CA	11/4/93	2147982	5/26/94		Pending
FI	11/4/93	952163			Pending
GB	11/6/92	92233501			Aband.
JP	11/4/93	51182794	4/23/96	OP50372396	Pending
NO	11/4/93	19951749			Aband.

7. Title: **PROCESS FOR PREPARING FILMS AND COATINGS**
Inventor(s): **Waddington**
U.S. Patent No.: **6,111,006**
Issued: **August 29, 2000**
Serial No.: **08/663,088**
Filed: **July 7, 1997**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	12/19/94	GB9402761	6/29/95	WO9517454	Filed
EP	12/19/94	959038514	12/11/96	0746585	Filed
BE	12/19/94	959038514	12/11/96	0746585	Issued
CA	12/19/94	2179522	6/29/95		Pending
DE	12/19/94	959038514	12/11/96	0746585	Issued
FR	12/19/94	959038514	12/11/96	0746585	Issued
GB	12/20/93	93259521			Aband.
GB	12/19/94	959038514	12/11/96	0746585	Issued
IT	12/19/94	959038514	12/11/96	0746585	Issued
JP	12/19/94	51725695	7/29/97	OP50744197	Pending

8. Title: **3-HYDROXYBUTYRATE POLYMERS**
Inventor(s): **Collins, et al.**
U.S. Patent No.: **4,477,654**
Issued: **October 16, 1984**
Serial No.: **June 29, 1982**
Filed: **November 9, 1981**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP		813051869	5/26/82	0052459	Filed
BE	10/30/81	813051869	5/26/82	0052459	Issued
CH	10/30/81	813051869	5/26/82	0052459	Lapsed
DE	10/30/81	813051869	5/26/82	0052459	Issued
FR	10/30/81	813051869	5/26/82	0052459	Issued
GB	10/30/81	813051869	5/26/82	0052459	Issued

IT	10/30/81	813051869	5/26/82	0052459	Aband.
JP	11/18/81	18515381	3/2/94	1560494	Issued
JP	11/18/81	27883890	11/10/92	7034292	Issued
JP	11/18/81	33224391	1/26/93	OP1538393	Issued
NL	10/30/81	813051869	05/26/82	0052459	Lapsed
RU	11/17/81	335714505			Lapsed
SE	10/30/81	813051869	05/26/82	0052459	Lapsed
UA	10/28/93				Lapsed

9. Title: **3-HYDROXYBUTYRATE POLYMER COMPOSITION**
 Inventor(s): **Herring, et al.**
 U.S. Patent No.: **5,061,743**
 Issued: **October 29, 1991**
 Serial No.: **07/530,560**
 Filed: **May 30, 1990**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP		903055028	12/5/90	0400855	Filed
AT	5/21/90	903055028	12/5/90	0400855	Lapsed
BE	5/21/90	903055028	12/5/90	0400855	Issued
BR	5/30/90	PI9002561			Aband.
CA	5/30/90	2017885	11/30/90		Issued
CH	5/21/90	903055028	12/5/90	0400855	Lapsed
DE	5/21/90	903055028	12/5/90	0400855	Issued
DK	5/21/90	903055028	12/5/90	0400855	Lapsed
ES	5/21/90	903055028	12/5/90	0400855	Lapsed
FR	5/21/90	903055028	12/5/90	0400855	Issued
GB	5/30/89	89123889			Aband.
GB	5/21/90	903055028	12/5/90	0400855	Issued
GR	5/21/90	903055028	12/5/90	0400855	Lapsed
IN	5/25/90	507DEL90		177061	Lapsed
IT	5/21/90	903055028	12/5/90	0400855	Issued
JP	5/30/90	14124790	2/19/99	2888924	Issued
KR	5/30/90	781490			Lapsed
LU	5/21/90	903055028	12/5/90	0400855	Lapsed
MW	5/30/89	4690			Lapsed
NL	5/21/90	903055028	12/5/90	0400855	Lapsed
SE	5/21/90	903055028	12/5/90	040855	Lapsed
SZ	6/3/91	RP281991			Lapsed
TW	5/31/90	79104435	4/1/91		Lapsed
ZA	5/28/90	904073			Lapsed
ZW	5/28/90	8390			Lapsed

10. Title: **COPOLYMER PRODUCTION**
 Inventor(s): **Byrom**
 U.S. Patent No.: **5,364,778**
 Issued: **November 15, 1994**
 Serial No.: **08/103,155**
 Filed: **December 10, 1990**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP		903131332	6/12/91	0431833	Filed
AU	12/7/90	6782790	6/3/93	637657	Issued
BE	12/4/90	903131332	6/12/91	0431833	Issued
BR	12/7/90	PI90062310	8/18/98		Issued
CA	12/10/90	2031888	6/9/91		Issued
DE	12/4/90	903131332	6/12/91	0431833	Issued
FR	12/4/90	903131332	6/12/91	0431833	Issued
GB	12/8/89	89277941			Aband.
GB	12/4/90	903131332	6/12/91	0431833	Issued
IN	12/6/90	1235DEL90		177461	Aband.
JP	12/7/90	40094790	2/25/00	3036851	Issued
KR	12/8/90	2017590	7/9/99	223341	Issued
NZ	12/7/90	236394	8/23/93	236394	Issued
TW	12/12/90	79110458	1/12/93	NI58448	Issued
ZA	12/6/90	909816	11/27/91	909816	Issued

11. Title: **BIODEGRADABLE POLYESTER PLASTICIZER**
 Inventor(s): **Montador, et al.**
 U.S. Patent No.: **5,516,825**
 Issued: **May 14, 1996**
 Serial No.: **08/381,903**
 Filed: **August 10, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	8/10/93	GB9301689	3/3/94	WO9404607	Filed
EP		949080568	5/31/95	0655077	Filed
AT	8/10/93	949080568	5/31/95	0655077	Issued
AU	8/10/93	4723893	3/6/97	676191	Issued
BE	8/10/93	94908568	5/31/95	0655077	Issued
CA	8/10/93	2142333	3/3/94		Pending
CH	8/10/93	94908568	5/31/95	0655077	Issued
DE	8/10/93	94908568	5/31/95	0655077	Issued
DK	8/10/93	94908568	5/31/95	0655077	Issued
ES	8/10/93	94908568	5/31/95	0655077	Issued
FI	8/10/93	950593			Pending
FR	8/10/93	94908568	5/31/95	0655077	Issued

GB	8/13/92	92171313			Aband.
GB	8/10/93	94908568	5/31/95	0655077	Issued
IT	8/10/93	94908568	5/31/95	0655077	Issued
JP	8/10/93	50599494	3/5/96	OP50208596	Pending
NL	8/10/93	94908568	5/31/95	0655077	Issued
NO	8/10/93	19950522	1/3/00	306864	Issued
SE	8/10/93	94908568	5/31/95	065507	Issued

12. Title: **POLYMER COMPOSITION COMPRISING A CRYSTALLIZABLE POLYMER STABILIZED IN AN AMORPHOUS OR INCOMPLETE STATE**

Inventor(s): **Clauss, et al**
 U.S. Patent No. **5,599,891**
 Issued: **February 4, 1997**
 Serial No.: **08/407,030**
 Filed: **September 28, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	9/28/93	GB9302014	4/14/94	WO9407940	Filed
EP	9/28/93	939210100	7/12/95	0662097	Allowed
AU	9/28/93	4829693	2/13/97	675664	Lapsed
BR	9/28/93	PI93071302			Aband.
CA	9/28/93	2144449	4/14/94		Pending
FI	9/28/93	951452			Pending
GB	9/28/92	92204478			Pending
GB	9/28/92	92204015			Pending
GB	9/28/92	93046514			Pending
JP	9/28/93	50882694	3/5/96	OP50208896	Pending
KR	9/28/93	70059511999			Aband.
NO	9/28/93	19951158			Aband.

13. Title: **PROCESS FOR SEPARATION OF SOLID MATERIALS FROM MICROORGANISMS**

Inventor(s): **Cumming, et al**
 U.S. Patent No.: **5,622,847**
 Issued: **April 22, 1997**
 Serial No.: **08/433,501**
 Filed: **November 12, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	11/12/93	GB9302329	5/26/94	WO9411491	Filed
EP		939247524	9/13/95	0670891	Filed
AT	11/12/93	939247524	9/13/95	0670891	Lapsed
AU	11/12/93	5429994	1/31/97	675991	Lapsed

BE	11/12/93	939247524	9/13/95	0670891	Issued
BR	11/12/93	PI93074280			Aband.
CA	11/12/93	2147985	5/26/94	0670891	Aband.
DE	11/12/93	939247524	9/13/95	0670891	Issued
DK	11/12/93	939247524	9/13/95	0670891	Lapsed
ES	11/12/93	939247524	9/13/95	0670891	Lapsed
FI	11/12/93	952292			Pending
FR	11/12/93	939247524	9/13/95	0670891	Issued
GB	11/12/92	92237098			Aband.
GB	11/12/92	939247524	9/13/95	0670891	Issued
IT	11/12/92	939247524	9/13/95	0670891	Issued
JP	11/12/92	51186094	4/9/96	OP50313196	Pending
KR	11/12/92	7018941995			Aband.
LU	11/12/92	939247524	9/13/95	0670891	Lapsed
NL	11/12/92	939247524	9/13/95	0670891	Lapsed
NO	11/12/92	951867			Aband.
PT	11/12/92	939247524	9/13/95	0670891	Lapsed

14. Title: **POLYHYDROXYALKANOATES AND FILM FORMATION THEREFROM**

Inventor(s): **Waddington**
U.S. Patent No.: **5,534,616**
Issued: **July 19, 1996**
Serial No.: **08/491,929**
Filed: **January 12, 1994**

14a. Title: **POLYHYDROXYALKANOATES AND FILM FORMATION THEREFROM**

Inventor(s): **Waddington**
U.S. Patent No.: **5,578,382**
Issued: **November 26, 1996**
Serial No.: **08/595,213**
Filed: **February 1, 1996**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	1/12/94	GB9400056	7/21/94	WO9416000	Filed
EP	1/12/94	949042410	2/7/96	0695321	Filed
AU	1/12/94	5837694	9/11/97	681862	Lapsed
BE	1/12/94	949042410	2/7/96	0695321	Opp.
CA	1/12/94	2153807			Pending
DE	1/12/94	949042410	2/7/96	0695321	Opp.
FI	1/12/94	953411			Pending
FR	1/12/94	949042410	2/7/96	0695321	Opp.
GB	1/13/93	93005544			Aband.
GB	1/12/94	949042410	2/7/96	0695321	Opp.

IT	1/12/94	949042410	2/7/96	0695321	Opp.
JP	1/12/94	51583394	6/11/96	OP50541596	Pending

15. Title: **ADHESION PROCESS USING PHA**
 Inventor(s): **Kemmish**
 U.S. Patent No.: **5,711,842**
 Issued: **January 27, 1998**
 Serial No.: **08/591,558**
 Filed: **July 11, 1994**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	7/11/94	GB9401496	1/26/95	WO9502649	Filed
EP	7/11/94	949205397	5/1/96	0708804	Filed
AU	7/11/94	7129294	1/15/98	685135	Lapsed
BE	7/11/94	949205397	5/1/96	0708804	Issued
CA	7/11/94	2166613	1/26/95	OPNONE	Pending
DK	7/11/94	949205397	5/1/96	0708804	Issued
FI	7/11/94	960158			Pending
GB	7/11/94	949205397	5/1/96	0708804	Issued
IT	7/11/94	949205397	5/1/96	0708804	Issued
JP	7/11/94	50439695	1/7/97	OP50015797	Pending
NO	7/11/94	19960153			Aband.

16. Title: **POLYESTER COMPOSITION**
 Inventor(s): **Hammond, et al**
 U.S. Patent No.: **5,753,782**
 Issued: **May 19, 1998**
 Serial No.: **08/553,649**
 Filed: **June 1, 1994**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	6/1/94	GB9401184	12/8/94	WO9428061	Filed
EP	6/1/94	949170773	3/20/96	0701586	Und. App.
CA	6/1/94	2163444	12/8/94		Pending
GB	6/2/93	93113991			Aband.
JP	6/1/94	50042195	2/10/97	OP50145097	Pending

17. Title: **SEPARATION PROCESS**
 Inventor(s): **Holmes, et al**
 U.S. Patent No.: **4,910,145**
 Issued: **March 20, 1990**
 Serial No.: **07/374,567**
 Filed: **November 5, 1984**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP		843075425	6/19/85	0145233	Filed
BE	11/1/84	843075425	6/19/85	0145233	Issued
CA	12/20/85	498397			Issued
CH	11/1/84	843075425	6/19/85	0145233	Issued
DE	11/1/84	843075425	6/19/85	0145233	Issued
GB	11/1/84	843075425	6/19/85	0145233	Issued
IT	11/1/84	843075425	6/19/85	0145233	Issued
JP	11/21/84	24697584	10/1/92	6163892	Issued
NL	11/1/84	843075425	6/19/85	0145233	Issued
SE	11/1/84	843075425	6/19/85	0145233	Issued

18. Title: **POLYMER PRODUCTION/POLYESTERS HAVING C8 AND/OR C10 MONOMER REPEAT UNITS**

Inventor(s): **Anderson, et al.**
U.S. Patent No.: **5,296,362**
Issued: **March 22, 1994**
Serial No.: **07/507,842**
Filed: **February 17, 1998**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP		903031193	10/17/90	0392687	Filed
AU	1/31/99	5240590	2/18/93	634218	Lapsed
BR	1/31/99	PI90017323			Aband.
CA	8/2/96	2014238			Aband.
CH	1/31/99	903031193	10/17/90	0392687	Lapsed
DE	2/17/98	903031193	10/17/90	0392687	Issued
FR	2/17/98	903031193	10/17/90	0392687	Issued
GB	2/17/98	903031193	10/17/90	0392687	Issued
IN	12/19/94	319DEL90			Aband.
JP	1/14/00	9747490	12/11/90	OP29959090	Aband.
KR	2/27/95	49461990			Aband.
MW	3/4/93	MW2390			Aband.
NL	1/31/99	903031193	10/17/90	0392687	Lapsed
NZ	1/31/99	233296	10/11/92	233296	Lapsed
SZ	3/4/93	RP461991			Lapsed
TW	1/31/99	79102871	3/21/91		Lapsed
ZA	1/31/99	902399			Lapsed
ZW	11/23/93	4890			Lapsed

19. Title: **HV/HB COPOLYMER PRODUCTION**
 Inventor(s): **Cox, et al.**
 U.S. Patent No.: **6,080,562**
 Issued: **June 27, 2000**
 Serial No.: **07/949,524**
 Filed: **May 24, 1991**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP				0535012	Filed
AT	5/24/91	919102236	4/7/93	0535012	Lapsed
AU	5/24/91	7970891	9/15/94	652942	Lapsed
CA	5/24/91	2083695	11/26/91		Pending
DE	5/24/91	919102236	4/7/93	0535012	Issued
GB	5/25/90	919102236			Aband.
GB	5/24/91	90117771	4/7/93	0535012	Issued
IT	5/24/91	919102236	4/7/93	0535012	Issued
JP	5/24/91	50952491			Pending
KR	5/24/91	70296892			Aband.

20. Title: **PROCESS FOR THE RECOVERY OF POLYHYDROXYALKANOIC ACID**
 Inventor(s): **Liddell**
 U.S. Patent No.: **5,894,062**
 Issued: **April 13, 1999**
 Serial No.: **08/793,832**
 Filed: **August 15, 1995**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	8/15/95	GB9501926	2/29/96	WO9606179	Filed
EP	8/15/95	959278979	6/4/97	0776372	Filed
BE	8/15/95	959278979	6/4/97	0776372	Issued
CA	8/15/95	2197783			Pending
DE	8/15/95	959278979	6/4/97	0776372	Issued
FI	8/15/95	970680			Pending
FR	8/15/95	959278979	6/4/97	0776372	Issued
GB	8/18/94	94166907			Aband.
GB	8/15/95	959278979	6/4/97	0776372	Issued
IT	8/15/95	959278979	6/4/97	0776372	Issued
JP	8/15/95	50785096	5/6/98	KOHYO50446098	Pending
KR	8/15/95				Aband.
MX	8/15/95				Aband.
NO	8/15/95	19970739			Aband.

21. Title: **PRODUCTION OF POLYMER COMPOSITION**
 Inventor(s): **George, et al.**
 U.S. Patent No.: **5,891,936**
 Issued: **April 6, 1999**
 Serial No.: **08/894,346**
 Filed: **February 12, 1996**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	2/12/96	GB9600305	8/22/96	WO9625452	Filed
EP	2/12/96	969023456	12/3/97	0809669	Filed
BE	2/12/96	969023456		0809669	Issued
DE	2/12/96	969023456	12/3/97	0809669	Issued
FI	2/12/96	973364			Pending
FR	2/12/96	969023456	12/3/97	0809669	Issued
GB	2/16/95	95029807			
GB	12/21/95	95262812			
GB	2/12/96	969023456	12/3/97	0809669	Issued
IT	2/12/96	969023456	12/3/97	0809669	Issued
JP	2/12/96	52474596	1/12/99	KOHYO50047699	Pending

22. Title: **LATEX OF POLYHYDROXYALKANOATE**
 Inventor(s): **George, et al.**
 U.S. Patent No.: **5,977,250**
 Issued: **November 2, 1999**
 Serial No.: **08/875,976**
 Filed: **February 9, 1996**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	2/9/96	GB9600284	8/15/96	WO9624682	Filed
EP	2/9/96	969019264	11/26/97	0808373	Filed
BE	2/9/96	969019264	11/26/97	0808373	Opp.
DE	2/9/96	969019264	11/26/97	0808373	Opp.
FI	2/9/96	973297			Pending
FR	2/9/96	969019264	11/26/97	0808373	Opp.
GB	2/9/95	95025219			Aband.
GB	2/9/96	969019264	11/26/97	0808373	Opp.
IT	2/9/96	969019264	11/26/97	0808373	Opp.
JP	2/9/96	52408896	1/19/99	KOHYO50061399	Pending

23. Title: **A METHOD FOR PREPARING A COMPOSTIBLE LAMINATE WITH POLYCAPROLACTONE AND A POLY 3-HYDROXYALKANOIC ACID**
 Inventor(s): **Karhuketo, et al.**
 Serial No.: **08/930,212**
 Filed: **February 2, 1998**
Under Appeal

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	4/4/96	GB9600819	10/10/96	WO9631347	Filed
EP	4/4/96	969082908	1/21/98	0819058	Pending
CA	4/4/96	2217640			Pending
GB	4/7/95	95072633			Aband.
JP	4/4/96	53009596			Pending

24. Title: **DISPERSIONS OF POLYHYDROXYALKANOATES IN WATER**
 Inventor(s): **George**
 Serial No.: **09/077,953**
 Filed: **June 19, 2000**
Abandoned

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	12/12/96	US9619886	6/19/97	WO9721762	Filed
EP	12/12/96	969448075			Pending
CA	12/12/96	2239980			Pending
GB	12/12/95	95253902			Aband.
JP	12/12/96	52223197	2/29/00	2000502375	Pending
MX	12/12/96	984764			Aband.

25. Title: **INCREASING THE PARTICLE SIZE OF POLYMERS**
 Inventor(s): **George, et al.**
 U.S. Patent No.: **5,798,440**
 Issued: **August 25, 1998**
 Serial No.: **08/374,662**
 Filed: **July 13, 1993**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	7/13/93	GB9301465	2/3/94	WO9402622	Filed
EP		939160594	5/17/95	0652969	Filed
AT	7/13/93	939160594	5/17/95	0652969	Lapsed
AU	7/13/93	4576593	4/16/97	677787	Lapsed
BE	7/13/93	939160594	5/17/95	0652969	Issued

BR	7/13/93	PI93067569	12/8/98		Aband.
CA	7/13/93	2137794	2/3/94		Aband.
CH	7/13/93	939160594	5/17/95	0652969	Lapsed
DE	7/13/93	939160594	5/17/95	0652969	Issued
DK	7/13/93	939160594	5/17/95	0652969	Lapsed
ES	7/13/93	939160594	5/17/95	0652969	Lapsed
FI	7/13/93	950284			Pending
FR	7/13/93	939160594	5/17/95	0652969	Issued
GB	7/24/92	92157916			Aband.
GB	7/13/93	939160594	5/17/95	0652969	Issued
IE	7/13/93	939160594	5/17/95	0652969	Lapsed
IT	7/13/93	939160594	5/17/95	0652969	Issued
JP	7/13/93	50424794	10/12/95	OP50913195	Pending
KR	7/13/93	70475494			Aband.
NL	7/13/93	939160594	5/17/95	0652969	Lapsed
NO	7/13/93	19950241			Aband.
NZ	7/13/93	254186	11/26/96	254186	Lapsed
RU	7/13/93	95104935			Aband.
SE	7/13/93	939160594	5/17/95	0652969	Lapsed
ZA	7/16/93	935179	6/29/94	935179	Lapsed

26. Title: **MULTILAYER BIODEGRADABLE FILM**
Inventor(s): **Kemmish, et al.**
Serial No.: **08/647,909**
Filed: **May 30, 1996**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	11/29/94	GB9402609	6/8/95	WO9515260	Filed
EP	11/29/94	959021874	9/18/96	0731754	Filed
BE	11/29/94	959021874	9/18/96	0731754	Issued
CA	11/29/94	2177065			Pending
DE	11/29/94	959021874	9/18/96	0731754	Issued
FI	11/29/94	962251			Pending
FR	11/29/94	959021874	9/18/96	0731754	Issued
GB	11/30/93	93245124			Aband.
GB	11/29/94	959021874	9/18/96	0731754	Issued
IT	11/29/94	959021874	9/18/96	0731754	Issued
JP	11/29/94	51547295	6/24/97	OP50630397	Pending

27. Title: **COPOLYESTERS AND PROCESS FOR THEIR PRODUCTION**
Inventor(s): **Collins, et al.**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
EP	6/21/82	823032149	1/12/83	0069497	Filed
AU	5/24/82	8410882	4/16/87	560653	Issued
BE	6/21/82	823032149	1/12/83	0069497	Issued
CA	7/5/83	431821	7/30/87	1223687	Issued
CH	6/21/82	823032149	1/12/83	0069497	Issued
DE	6/21/82	823032149	1/12/83	0069497	Issued
FR	6/21/82	823032149	1/12/83	0069497	Issued
GB	6/21/82	823032149	1/12/83	0069497	Issued
IT	6/21/82	823032149	1/12/83	0069497	Issued
JP	7/7/82	11831682	6/25/92	3876392	Issued
JP	7/7/82	21877193	5/24/95	4762395	Issued
NL	6/21/82	823032149	1/12/83	0069497	Issued
NZ	6/23/82	201054	6/19/86	201054	Issued
NZ	6/23/82	213039		213039	Issued
SE	6/21/82	823032149	1/12/83	0069497	Issued

28. Title: **POLYHYDROXYALKANOATES OF NARROW MOLECULAR WEIGHT DISTRIBUTION PREPARED IN TRANSGENIC PLANTS**
- Inventor(s): **Asrar, et al.**
U.S. Patent No.: **6,091,002**
Issued: **August 15, 2000**
Serial No.: **08/912,205**
Filed: **August 15, 1997**
- US Divisional Filed: 11/15/99 Serial No.: 09/440400 Status: Allowed
US Divisional Filed: 11/30/99 Serial No.: Not known Status: Pending

29. Title: **METHODS FOR THE BIOSYNTHESIS OF POLYESTERS**
- Inventor(s): **Gottschalk, et al.**
Serial No.: **09/380,773**
Filed: **September 3, 1999**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	3/3/97	US9703994	9/11/98	WO9839453	Filed
EP	3/3/97	979159415	10/13/99	0958367	Pending

30. Title: **PHA COMPOSITIONS AND METHODS FOR THEIR USE
IN THE PRODUCTION OF PHA FILMS**

Inventor(s): **Asrar, et al.**
Serial No.: **09/122,147**
Filed: **July 24, 1998**
CPA filed recently under Section 1.53(d)

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	7/24/98	US9815398	2/4/99	WO9905207	Filed
EP	7/24/98	989370895	5/3/00	0996670	Pending

31. Title: **MODIFIED POLYHYDROXYALKANOATES FOR
PRODUCTION OF COATINGS AND FILMS**

Inventor(s): **Asrar, et al.**
U.S. Patent Nos.: **6,096,810; 6,201,083**
Issued: **August 1, 2000; March 13, 2001**
Serial Nos.: **09/156,147; 09/609,878**
Filed: **September 18, 1998; July 5, 2000**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	9/18/98	US9819461	3/25/99	WO9914268	Filed
EP	9/18/98	989471123	8/2/00	1023378	Allowed

32. Title: **PLASTICIZED POLYHYDROXYALKANOATE
COMPOSITIONS AND METHODS FOR THEIR USE IN
THE PRODUCTION OF SHAPED POLYMERIC ARTICLES**

Inventor(s): **Asrar, et al.**
U.S. Patent No.: **6,127,512**
Issued: **October 3, 2000**
Serial No.: **09/179,271**
Filed: **October 31, 1997**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	10/27/98	US9822753	5/14/99	WO9923146	Filed
EP	10/27/98	989562459	8/9/00	1025152	Pending

33. Title: **POLYMER BLENDS CONTAINING
POLYHYDROXYALKANOATES AND COMPOSITIONS
WITH GOOD RETENTION OF ELONGATION**

Inventor(s): **Asrar, et al.**
U.S. Patent No.: **6,191,203**
Issued: **February 20, 2001**
Serial No.: **09/714,469; 09/179,780 (Divisional: Pending)**
Filed: **November 16, 2000; October 31, 1997**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	10/27/98	US9822723	5/14/99	WO9923161	Filed
EP	10/27/98	US9822723			Pending

34. Title: **BIOSYNTHESIS OF MEDIUM CHAIN LENGTH
POLYHYDROXYALKANOATES**

Inventor(s): **Poirier, et al.**
Serial No.: **09/582,534**
Filed: **June 27, 2000**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	1/5/98	US9800083	7/15/99	WO9935278	Filed
EP	1/5/98	US9800083			Pending

35. Title: **PHAE AND PHAC COMPONENTS OF POLY(HYDROXY
FATTY ACID) SYNTHASE FROM THIOCAPASA**

Inventor(s): **Liebergesell, et al.**
U.S. Patent No.: **6,011,144**
Issued: **January 4, 2000**
Serial No.: **08/809,286**
Filed: **September 15, 1995**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
US	10/18/99	09/420119			
US (Divisional)	02/01/01 (unconfirmed)				
WO	9/15/95	DE9501279	3/21/96	WO9608566	Filed
EP	9/15/95	959311499			Pending
CA	9/15/95	2203264			Pending
DE	9/16/94	P44331347			Pending

36. Title: **HYDROXY-TERMINATED
POLYHYDROXYALKANOATES**
 Inventor(s): **Asrar, et al.**
 U.S. Patent No.: **5,994,478**
 Issued: **November 30, 1999**
 Serial No.: **09/063,256**
 Filed: **April 20, 1998**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
US (Divisional)	10/1/99	09/410708	3/20/01	6204341	Issued
US (Divisional)	4/20/98	(Not known)			
US (Divisional)	8/17/00	09/640641			Allowed
WO	4/20/98	US9807967	10/29/98	WO9848028	Filed
WO	6/14/99	US9913321	12/16/99	WO9964617	Filed
EP	4/20/98	989184924	2/9/00	0977882	Pending
EP	6/14/99	US9913321			Pending
EP (C-I-P)	6/14/99	99275100	4/4/01	1088093	Pending

36a. Title: **HYDROXY-TERMINATED
POLYHYDROXYALKANOATES**
 Inventor(s): **Asrar, et al.**
 U.S. Patent No.: **6,156,852**
 Issued: **December 5, 2000**
 Serial No.: **09/096,797**
 Filed: **April 29, 1997**

37. Title: **PRODUCTION OF POLYHYDROXYALKANOATE IN
PLANTS**
 Inventor(s): **Bright, et al.**
 U.S. Patent No.: **5,502,273; 6,175,061**
 Issued: **March 26, 1996; January 16, 2001**
 Serial No.: **08/536,123; 08/536,123**
 Filed: **September 28, 1994; September 29, 1995**
 CPA Filed: **April 20, 2000**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	4/23/92	GB9200742	11/12/92	WO9219747	Filed
EP	4/23/92	929089209	4/6/94	0589898	Pending
AU	4/23/92	1579792	1/12/95	655816	Lapsed
CA	4/23/92	2109221			Pending
GB	4/24/91	910876569			Aband.
JP	4/23/92	50805792			Pending

38. Title: **PRODUCTION OF POLYHYDROXYALKANOATE**
 Inventor(s): **Liebergesell, et al.**
 Serial No.: **08/178,257**
 Filed: **July 15, 1992**
Petition to Revive Granted: February 20, 2001

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	7/15/92	GB9201291	2/4/93	WO9302194	Filed
EP	7/15/92	929145936	5/4/94	0594678	Pending
AU	7/15/92	2312792	9/15/96	671595	Lapsed
CA	7/15/92	2113432			Pending
GB	7/16/91	91152454			Aband.
JP	7/15/92	50266993			Pending

39. Title: **IMPROVED PRODUCTION OF
 POLYHYDROXYALKANOATE USING
 GRANULE-BINDING PROTEIN WHICH CONTROLS
 GRANULE SIZE AND NUMBER**

Inventor(s): **Innis**
 U.S. Patent No.: **6,022,729**
 Issued: **February 8, 2000**
 Serial No.: **08/702,870**
 Filed: **July 11, 1995**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
US	7/11/95	08/500735			Pending(?)
GB	7/18/94	94145067			Aband.

40. Title: **PREVENTION OF GELATION OF
 POLYHYDROXYALKANOATE SOLUTIONS USING
 SHEAR**

Inventor(s):
 Serial No.: **60/188,440**
 Filed: **March 10, 2000**

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	3/5/01	Not known			Pending

41. Title: **POLYHYDROXYALKANOATE COATINGS**
 Inventor(s): **Asrar et al.**
 U.S. Patent No.: **6,025,028**
 Issue: **2/15/00**
 Serial No.: **60/053,724**

Filed: 7/25/97

<u>Country Code</u>	<u>App. Date</u>	<u>App. No.</u>	<u>Pub. Date</u>	<u>Pub. No.</u>	<u>Status</u>
WO	7/24/98	US9815149	2/4/99	WO9904948	Filed
EP	7/24/98	989359153	5/10/00	0998381	Pending

42. Title: **NUCLEATING AGENTS FOR
POLYHYDROXYALKANOATES AND OTHER
THERMOPLASTIC POLYESTERS AND THEIR
PRODUCTION**

Inventor(s): Asrar et al.
U.S. Patent No.: 5,973,100
Issued: October 26, 1999
Serial No.: 09/122440
Filed: 7/24/98

<u>Country Code</u>	<u>App. Date</u>	<u>Pat. No.</u>	<u>Pub. Date</u>	<u>Status</u>
WO	07/24/98	WO9905208	2/4/99	
EP	07/24/98	0996671	2/4/99	Pending

SCHEDULE B to the Patent Assignment

Patents and Patent Applications That Have Not Been Maintained

1. Title: **POLYMER BLENDS AND COMPATIBILIZERS**
Inventor(s): **Ballard, et al.**
U.S. Patent No.: **5,478,892**
Issued: **December 26, 1995**
Status: **Lapsed**
Serial No.: **08/295,626**
Filed: **August 24, 1994**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	2/26/93	GB9300401	9/2/93	WO9317064	Filed
EP		939042644	12/21/94	0629219	Filed
AU	2/26/93	3572193	1/11/96	666710	Lapsed
BE	2/26/93	939042644	12/21/94	0629219	Lapsed
CA	2/26/93	2128435	9/2/93		Aband.
DE	2/26/93	939042644	12/21/94	0629219	Lapsed
FI	2/26/93	943930			Aband.
FR	2/26/93	939042644	12/21/94	0629219	Lapsed
GB	2/26/93	939042644	12/21/94	0629219	Lapsed
JP	2/26/93	51467093	5/18/95	0P50444995	Aband.
KR	2/26/93	70298194			Aband.
NO	2/26/93	19943157			Aband.
NZ	2/26/93	249218	1/26/96		Lapsed

2. Title: **POLYMER COMPOSITION CONTAINING
POLYHYDROXYALKANOATE AND METAL
COMPOUND**
Inventor: **Hammond**
U.S. Patent No.: **5,646,217**
Issued: **July 8, 1997**
Status: **Lapsed**
Serial No.: **08/433,343**
Filed: **November 4, 1993**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	11/4/93	GB9302280	5/26/94	WO9411440	Filed
EP	11/4/93	939247052	9/6/95	0669959	Aband.
AU	11/4/93	5426894	12/19/96	674361	Lapsed
CA	11/4/93	2147857	5/26/94		Aband.
FI	11/4/93	952162			Aband.
GB	11/6/92	92233519			Aband.

JP	11/4/93	51182894	4/16/96	OP54350096	Aband.
NO	11/4/93	951766			Aband.

3. Title: **PROCESS OF POLYESTERS**
 Inventor(s): **Liggat, et al.**
 U.S. Patent No.: **5,789,536**
 Issued: **August 4, 1998**
 Status: **Lapsed**
 Serial Nos.: **08/553,642**
 Filed: **June 1, 1994**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	6/1/94	GB9401181	12/8/94	WO9428047	Filed
EP	6/1/94	949170740	3/20/96	0701580	Aband.
CA	6/1/94	2163552	12/8/94		Aband.
GB	6/2/93	93114023			Aband.
JP	6/1/94	52585594	10/29/96	OP51029396	Aband.

4. Title: **POLYMER COMPOSITIONS AND PROCESSES
PRODUCED FROM HYDROXYALKANOIC ACID**
 Inventor(s): **Greer, et al.**
 U.S. Patent No.: **5,525,658**
 Issued: **June 11, 1996**
 Status: **Lapsed**
 Serial Nos.: **08/374,663**
 Filed: **July 15, 1995**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	7/15/93	GB9301492	2/3/94	WO9402541	Filed
EP		939160859	5/10/95	0651775	
AU	7/15/93	4578293			Lapsed
BE	7/15/93	939160859	5/10/95	0651775	Lapsed
CA	7/15/93	2137580	2/3/94		Aband.
FI		7/15/93	950285		Aband.
FR	7/15/93	939160859	5/10/95	0651775	Lapsed
GB	7/15/93	939160859	5/10/95	0651775	Lapsed
JP	7/15/93	50425994	10/12/95	OP50926595	Aband.
ZA	7/21/93	935288			Lapsed

5. Title: **POLYESTER COMPOSITION**
 Inventor(s): **Liggat, et al.**
 U.S. Patent No.: **5,693,389**
 Issued: **December 2, 1997**
 Status: **Lapsed**
 Serial Nos.: **08/553,412**
 Filed: **May 20, 1994**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	5/20/94	GB9401095	12/8/94	W09428070	Filed
EP	5/20/94	949156400	3/13/96	0700418	Aband.
AU	5/20/94	6727594	11/13/97	683466	Lapsed
CA	5/20/94	2162173	12/8/94		Aband.
FI	5/20/94	955645			Aband.
GB	5/24/93	93107126			Aband.
JP	5/20/94	50035895	11/5/96	OP51049896	Aband.
NO	5/20/94	954748			Aband.

6. Title: **PROCESSING OF POLYESTERS**
Inventor(s): **Liggat, et al.**
U.S. Patent No.: **5,874,040**
Issued: **February 23, 1999**
Status: **Lapsed**
Serial Nos.: **08/892,311**
Filed: **July 14, 1997**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	6/1/94	GB9401183	12/8/94	W09428049	Filed
EP	6/1/94	949170765	3/20/96	0701582	Aband.
CA	6/1/94	2163553			Aband.
GB	6/2/93	93114007			Aband.
JP	6/1/94	50042095	2/20/97	OP50144997	Aband.

7. Title: **PROCESS FOR PREPARING FILMS AND COATINGS**
Inventor(s): **Liddell, et al.**
U.S. Patent No.: **5,691,174**
Issued: **November 25, 1997**
Status: **Lapsed**
Serial Nos.: **08/530,332**
Filed: **April 7, 1994**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	4/7/94	GB9400741	10/27/94	W09424302	Filed
EP		949120273	1/31/96	0694074	Filed
AU	4/7/94	6434494	1/31/97	676035	Lapsed
BE	4/7/94	949120273	1/31/96	0694074	Lapsed
BR	4/7/94	PI94064520			Aband.
CA	4/7/94	2160564	10/27/94		Aband.
DE	4/7/94	949120273	1/31/96	0694074	Lapsed
FI	4/7/94	954836			Aband.
FR	4/7/94	949120273	1/31/96	0694074	Lapsed
GB	4/7/94	949120273	1/31/96	0694074	Aband.
IN	4/13/94	440DEL94			Aband.

IT	4/7/94	949120273	1/31/96	0694074	Lapsed
JP	4/7/94	52287394	9/24/96	OP50888196	Aband.
MX	4/13/94	942657			Aband.
NO	4/7/94	954088			Aband.
ZA	4/12/94	942515			Lapsed

8. Title: **COPOLYMER PRODUCTION**
 Inventor(s): **Anderson, et al.**
 U.S. Patent No.: **5,264,546**
 Issued: **November 23, 1993**
 Status: **Lapsed**
 Serial Nos.: **07/870,480**
 Filed: **April 17, 1992**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
EP		903042679	11/7/90	0396289	Lapsed
AT	4/20/90	903042679	11/7/90	0396289	Lapsed
AU	4/27/90	5452390	10/8/92	629632	Lapsed
BE	4/20/90	903042679	11/7/90	0396289	Lapsed
BR	9/2/90	PI90020600			Aband.
CA	5/1/90	2015830			Aband.
CH	4/20/90	903042679	11/7/90	0396289	Lapsed
DE	4/20/90	903042679	11/7/90	0396289	Lapsed
ES	4/20/90	903042679	11/7/90	0396289	Lapsed
FR	4/20/90	903042679	11/7/90	0396289	Aband.
GB	4/20/90	903042679	11/7/90	0396289	Lapsed
IN	4/25/90	404DEL90	5/30/98	0396289	Lapsed
IT	4/20/90	903042679	11/7/90	0396289	Lapsed
JP	5/2/90	11668590	2/28/91	OP4708291	Lapsed
KR	5/1/90	61931990			Aband.
LU	4/20/90	903042679	11/7/90	0396289	Lapsed
MW	4/26/90	MW4090			Lapsed
NL	4/20/90	903042679	11/7/90	0396289	Lapsed
NZ	4/26/90	233,452			Lapsed
SE	4/20/90	903042679	11/7/90	0396289	Lapsed
TRAN	4/27/90	900038			Lapsed
TW	5/15/90	79103931	10/1/91		Lapsed
ZA	4/24/90	903108			Lapsed

9. Title: **COPOLYESTERS AND METHODS OF THEIR PRODUCTION**
 Inventor(s): **Cox, et al.**
 U.S. Patent No.: **5,977,291**
 Issued: **November 2, 1999**
 Status: **Issued**
 Serial No.: **08/809,946**

Filed:

September 21, 1995

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	9/21/95	GB9502257	3/28/96	WO9609402	Filed
EP	9/21/95	959321019	7/16/97	0783587	Aband.
CA	9/21/95	2200473			Aband.
FI	9/21/95	971199			Aband.
GB	9/22/95	94190824			Aband.
JP	9/21/95	51070096	6/16/98	KOHYO50601298	Aband.
KR	9/21/95	7018681997			Aband.
MX	9/21/95	972206	12/1/97		Aband.
NO	9/21/95	19971279			Aband.

10. Title: **HV/HB COPOLYMER PRODUCTION**
 Inventor(s): **Cox, et al.**
 U.S. Patent No.: **6,080,562**
 Issued: **June 27, 2000**
 Status: **Issued**
 Serial No.: **07/949,524**
 Filed: **May 24, 1991**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	10/19/92	EP9100978	12/12/91	WO9118995	Filed
EP	9/13/95	919102236	4/7/93	0535012	Filed
AT	5/24/91	919102236	4/7/93	0535012	Lapsed
AU	5/24/91	7970891	9/15/94	652942	Lapsed
CA	5/24/91	2083695	11/26/91		Pending
DE	5/24/91	919102236	4/7/93	0535012	Issued
GB	5/24/91	919102236	4/7/93	0535012	Issued
IT	5/24/91	919102236	4/7/93	0535012	Issued
JP	5/24/91	50952491			Pending
KR	5/24/91	70296892			Aband.
NL	5/24/91	919102236	4/7/93	0535012	Lapsed

11. Title: **ALIPHATIC POLYESTER COMPOSITION**
 Inventor(s): **Lehrle, et al.**
 U.S. Patent No.: **6,005,066**
 Issued: **December 21, 1999**
 Status: **Lapsed**
 Serial No.: **08/768,030**
 Filed: **June 13, 1995**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	6/13/95	GB9501375	12/21/95	WO9534599	Filed
EP	6/13/95	959244047	4/2/97	0765360	Aband.
CA	6/13/95	2192688			Aband.

GB	6/13/94	94117926			Aband.
JP	6/13/95	50180096	5/6/98	KOHYO50458398	Aband.

12. Title: **PROCESS OF RECOVERING POLYMERS OF HYDROXYALKANOIC ACIDS**

Inventor(s): **George, et al.**
U.S. Patent No.: **5,952,460**
Issued: **September 14, 1999**
Status: **Lapsed**
Serial No.: **08/793,019**
Filed: **August 15, 1995**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	8/15/95	GB9501925	2/29/96	WO9606178	Filed
EP	8/15/95	959278961	6/4/97	0776371	Aband.
CA	8/15/95	2197782			Aband.
FI	8/15/95				Aband.
GB	8/18/94	94166915			Aband.
JP	8/15/95	50784996	5/6/98	50445998	Aband.
KR	8/15/95	7010621997			Aband.
MX	8/15/95	971249			Aband.
NO	8/15/95	19970738			Aband.

13. Title: **POLYESTER COMPOSITION**

Inventor(s): **Blanshard, et al.**
U.S. Patent No.: **5,760,170**
Issued: **June 2, 1998**
Status: **Lapsed**
Serial No.: **08/809,316**
Filed: **September 8, 1995**

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	9/8/95	GB9502150	3/14/96	WO9607697	Filed
EP	9/8/95	959313016	6/25/97	0779910	Aband.
CA	9/8/95	2199476			Aband.
FI	9/8/95	970984			Aband.
GB	9/9/94	94181740			Aband.
JP	9/8/95	50932896			Aband.
KR	9/8/95	7015671997			Aband.
MX	9/8/95	971818			Aband.
NO	9/8/95	971055			Aband.

14. Title: **STRUCTURE HAVING CONTROLLED WATER RESISTANCE**

Inventor: **Brunger**
U.S. Patent No.: **5,560,962**

Issued: October 1, 1996
 Status: Lapsed
 Serial No.: 08/204,263
 Filed: November 11, 1992

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	11/11/92	GB9202078	5/27/93	WO9310308	Filed
EP	11/11/92	929229011	9/7/94	0613510	Filed
BE	11/11/92	929229011	9/7/94	0613510	Lapsed
DE	11/11/92	929229011	9/7/94	0613510	Lapsed
FR	11/11/92	929229011	9/7/94	0613510	Lapsed
GB	11/11/92	929229011	9/7/94	0613510	Lapsed
IT	11/11/92	929229011	9/7/94	0613510	Lapsed
JP	11/11/92	50906593	2/2/95	OP50110895	Aband.

15. Title: **PROCESS FOR THE MICROBIOLOGICAL PRODUCTION OF PHA POLYMERS**

Inventor(s): Naylor, et al.
 U.S. Patent No.: 5,871,980
 Issued: February 16, 1999
 Status: Lapsed
 Serial No.: 08/894,347
 Filed: February 9, 1996

Country Code	App. Date	App. No.	Pub. Date	Pub. No.	Status
WO	2/9/96	GB9600293	8/22/96	WO9625509	Filed
EP	2/9/96	969019322	12/3/97	0809706	Aband.
FI	8/15/97	973365			Aband.
GB	2/17/95	95031746			Aband.
JP	2/9/96	52474296	1/6/99	KOHYO50000899	Aband.